Royal Botanic Gardens Kew

KS5 Rainforest: Carbon and Water Cycles Classroom activity pack

This pack contains a series of activities for you to complete with your class both before and after your visit to Kew.

You may choose to do all of the activities or just select one. Post-visit activities are intended to build on the learning from the educational session at Kew. The resources can be used on a whiteboard or can be printed.

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Pre-visit teacher notes

KS5 Rainforest: Carbon and Water Cycles

Thank you for booking the Carbon and Water Cycles education session at Kew. You can use the pre-visit activity to support your pupils' learning.

Ahead of your visit, your pupils could answer the question below. They can tell us about their answers when they come to Kew.

Question: Tropical rainforests play an integral role in the global carbon and water cycles. Suggest the ways they are involved.

You can encourage your pupils to discuss:

- Evapotranspiration
- Infiltration and throughflow
- Carbon stored in above and below-ground biomass
- Effects of deforestation on the water and carbon cycles.

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Pre-visit
Pupil activity

Kew is involved in rainforest conservation projects across the globe, providing expertise in a range of areas.

? Tropical rainforests play an integral role in the global carbon and water cycles. Suggest the ways they are involved.